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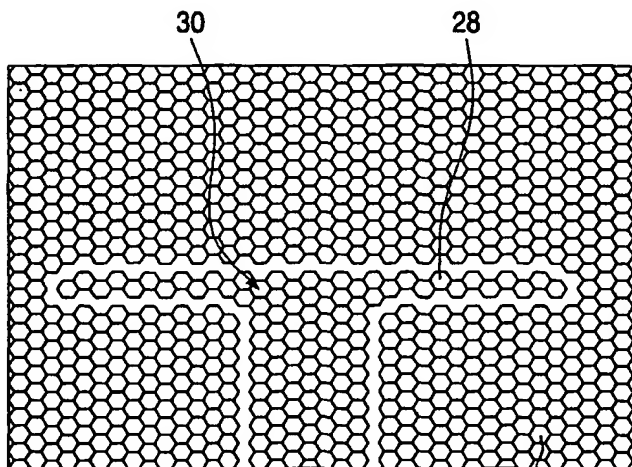
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(54) Title: A SEMICONDUCTOR DEVICE WITH SENSE STRUCTURE



(57) Abstract: A power semiconductor device is described with a plurality of cells divided into power cells (14) and sense cells (16). A plurality of groups (30, 32) of sense cells (16) are provided. The device allows for compensation of effects caused at the edges of the groups of sense cells (16).

INTERNATIONAL SEARCH REPORT

Internat.

Application No.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L29/78 H03K17/082 //H01L23/495

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	column 4, line 7 - line 39; figures 2,3	4,5
A		6
Y	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06, 28 June 1996 (1996-06-28)	4
	-& JP 08 046193 A (TOSHIBA CORP), 16 February 1996 (1996-02-16)	
A	abstract; figures 1-4,6,8-12	1,3,6
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Internatic Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	YUVARAJAN S ET AL: "POWER CONVERSION AND CONTROL USING A CURRENT SENSING POWER MOSFET" PROCEEDINGS OF THE MIDWEST SYMPOSIUM ON CIRCUITS AND SYSTEMS, MONTEREY, CA, USA, vol. 1 SYMP. 34, 14 - 17 May 1991, pages 166-169, XP000314907 IEEE, NEW YORK, NY, USA	5
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